

Investigation of the Strength of Synthetic
Corundum of Various Origins and the Effect
of Impurities on the Strength, by V. M.
Kiselev, Neklyudova, et al.

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Coop Trans Scheme Tr 186
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Sci - Minerals/Metals, Chemistry

Jul 1956

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Hardness of Synthetic Corundum, by N. Yu. Yekornikova,
10 pp.

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Sci - Chemistry, physics

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D.S. I.R. 2/10/54

Grinding and Polishing of Synthetic Corundum,
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Coop Trans Scheme Tr 206
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Sci - Minerals/Metals

Jul 1956

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SLA R-5245

Influence of Annealing at 1300°C on the Mechanical
Properties of Crystals of Synthetic Corundum, by
G. E. Tomilovskiy.

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Co-Op Tr Sch 167
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Sci. - Chemistry

Crystallochemistry of AB Compounds of Transition
Metals With the Elements IV, V and VI of SM
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28 pp.

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SLA R-1032

Sci - Chemistry
Mar 58

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Atomic Structure of Some Metallic Compounds of
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Sci - Chem
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Thermal Constants of γ -Aluminium Oxide, by
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Conditional Projections in the F and F^2 Fourier Series, by B. K. Valashstein, G. N. Tishchenko, 10 pp.

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Electron Diffraction Investigation of the System
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AEC TT-866

Sci - Phys

May 60

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Increase in Crystal Growth Rate by Application of Audio
Frequency Oscillations, by B. V. Vitovskiy, 2 pp.

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ATS RJ-1161

Sci - Physics

Apr 60

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Melankholin, N. M.
NEW APPARATUS FOR THE OPTICAL ORIENTA-
TION OF A QUARTZ PEBBLE. [1962] 7p.
Order from OTS or SLA \$1.10 62-16428

Trans. of Akademiya Nauk SSSR. Institut
Kristallografi. Trudy, 1955, v. 11, p. 239-242.

DESCRIPTORS: *Quartz, Crystals, *Crystal holders,
Piezoelectric crystals, *Optical analysis.

(Physics--Solid State, TT, v. 8, no. 10)

62-16428

I. Melankholin, N. M.

Office of Technical Services

The Dependence of the Creep Strength of the Single
Crystals of TlBr + TlI Upon the Deformation Rate and
the Temperature, by V. R. Regel', G. E. Tomilovskiy,
13 pp.

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Vol XII, 1956, pp 158-164. 9089602, 9066963

AEC UCRL Tr-837

Sci - Chem
Aug 62

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Growth of Silicon Carbide Crystals From
the Caseous Phase, by Yu. M. Chashkov,
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*PTI-MI-65-476

Sci - M/M
Sept 65

Crystallization of Alkaline-Earth
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Sept 65

X-Ray Study of the Structure of Anosovite and
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Jul 67

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Swelling of Wood, by P. N. Odintsov.

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*PL-480

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PST-666

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Jan 63

Hymenoptera Chrysididae of Tadzhikistan, by
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Vol XV, 1954, pp 89-137.

*OTS 64-11081
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1959, (201), 24-34.
*BISI 4141

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Influence of Nonequilibrium Dissociation
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Nov 65

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The Effect of Aminazine on the Functions
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A. Ye. Aleksandrova.

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NIH 9-44-64

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Tr. A.K. Hank SSSR Institut Lesa

60-21910

Pravdin, L. F.
THE PRESENT STATE OF TREE SELECTION AND
SEED-GROWING AND METHODS FOR THEIR
DEVELOPMENT (Sovremennoe Sostoyanie i Puti
Razvitiya Selektii Drevesnykh Porod i Lesnogo
Semenovodstva). [Jan 62] 42p. 136 refs. PL-480 Agr.
Order from OTS \$0.50 60-21910

Trans. of Akademiya Nauk SSSR, Institut Lesa.
Trudy, 1951, v. 8, p. 5-35.

DESCRIPTORS: *Trees, Selection, *Seeds, Growth,
Genetics, Production.

(Agriculture--Plant Cultivation, TT, v. 7, no. 6)

- I. Pravdin, L. F.
- II. PL-480 Agr (60-21910)
- III. National Science Foundation,
Washington, D. C.

Office of Technical Services

The Present State of Tree Selection and Seed-
Growing and Methods for Their Development, by
L. F. Pravdin, 42 pp.

RUSSIAN, per, Trudy Instituta Lesa AK Nauk
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Sci - Biol

Jun 62

The Breeding of Forest Trees in Uzbekistan, by
V. M. Novskii, 20 pp.
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Lesn. Vol. 8, 1951, pp 132-151.
CFSTI TT 67-51304

Sci-3 and 4
Mar 68

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Structure and Physicomechanical
Properties of Spring- and Summerwood
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OCLC 64-11070

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UICM Ref C-2210

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May 58

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Sept 61
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Relaxation and Creep of Natural and Densified
Wood Under Compression, by P. Khukhryanskiy.

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Vol. IX, 1953, pp 337-346. 107950

CSIRO Tr 4802

Sci - Chem

OTS 61-11461

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Jun 61

NLL 11461

Resistance of Pinewood to Compression at Different
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Vakin, A. T.
PHYTOPATHOLOGICAL CONDITION OF OAK
GROVES IN THE TELLERMAN FOREST (Fitopato-
logicheskoe Sostoyaniye Dubrav Tellermanovskogo
Lesa). 1961, 6p. PL-480 Agr.
Order from OTS \$0.50

60-51020

Trans. of Akademiya Nauk SSSR. Institut Lesa.
Trudy, 1954, v. 16, p. 5-9.

DESCRIPTORS: *Plants, *Pathology, *Trees,
Forestry, Fungi, Insects, Mildew.

(Agriculture--Plant Cultivation, TT, v. 7, no. 4)

I. Vakin, A. T.
II. PL-480 Agr (60-51020)
III. National Science Foundation,
Washington, D. C.

16185-7

Office of Technical Services

Shumanov, E. A.
DISEASES AND INJURIES IN YOUNG OAKS IN THE
BORISOGLEBSK FOREST AREA (K Voprosu o Bolez-
nyakh i Povrezhdeniyakh Molodogo Duba v Boriso-
glebskimi Lesnom Massive). 1961, 23p. 29 refs.
PL-480 Agr.
Order from OTS \$0.50

60-51011

Trans. of Akademiya Nauk SSSR. Institut Lesa.
Trudy, 1954, v. 16, p. 110-128.

DESCRIPTORS: *Trees, *Diseases, Botany, Mildew,
*Fungi, Wasps, Beetles, Moths, *Rodents, Mice,
Rabbits, Grasses, Injuries, *Insects, Forestry,
Pathology.

See also 60-51020

(Agriculture--Plant Cultivation, TT, v. 7, no. 4)

60-51011

- I. Shumanov, E. A.
II. PL-480 Agr (60-51011)
III. National Science Foundation,
Washington, D. C.

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Shtraukh-Valeva, S. A.
WOUND ROTS OF STEMS OF CAUCASIAN FIR
(Ranevye Chilli Stvolov Kavkazskoi Pikhay). [Nov 61]
13p. 14 refs. PL-480 Agr.
Order from OTS \$0.50

60-51006

Trans. of Akademiya Nauk SSSR Institut Lesa. Trudy,
1954, v. 18, p. 386-386.

DESCRIPTORS: *Plants, *Trees, *Fungi, *Pine,
*Diseases, Microorganisms, Parasites, *Ecology,
Histology

A study was made of the flora of wound rot fungi, and the composition of fungi causing brown rots in Caucasian fir. Isolations were made from 55 specimens, of which 20 yielded mixed cultures of fungi and bacteria, while 12 yielded only bacteria.

(Biological Sciences--Botany, TT, v. 7, no. 2)

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- I. Shtraukh-Valeva, S. A.
- II. PL-480 Agr (60-51006)
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Washington, D. C.

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The Biological Bases of the Flowering and Fruit
Bearing in Oak, Ye. G. Minina.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Lesa,
Vol 17, 1954, pp 5-97.

*CSTI TT 70-57225

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Sept 70

The Biological Cycle of Nitrogen and Ash
Elements in Forest Plantation, by
N. P. Remezov, K. M. Bykova, et al. 28 p.
RUSSIAN, per, Trudy Instituta Lesa Akademiya
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*CESTI TT 66-51125

USSR
Sci/Agri
Jan 66

Studies on Forest Growth Conditions on Peat-Bog
Soils of the Forest Zone and the Tundra, by
N. I. Pjavecenko.

RUSSIAN, per, Trudy Inst Lesa, Ak Nauk SSR,
No 36, 1957, 186 pp.

*PL-480
OTS 65-50054

Sci
Sept 64

Kucherenko, V. D.
SOILS OF THE CENTRAL PART OF THE URAL
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Ural). [1960] 45p. 11 refs. PL-480-PST-Cat. no. 191.
Order from OTS \$0.50 60-51166

Trans. Akademiya Nauk SSSR, Institut Leg.
Trud, 1957, v. 34, p. 345-375.

151779

(Agriculture--Plant Cultivation, TT, v. 3, no. 9)

60-51166

- I. Soils--USSR
2. Soils--Properties
- I. Kucherenko, V. D.
- II. PL-480-PST-191
- III. National Science Foundation,
Washington, D. C.

Office of Technical Services

The Interrelations Between Density of Stocking. Grown
Closure, and the Number of Trees in the Stand, by
P. Sarma.

RUSSIAN, per, Trud Inst Leskhoz, No 14, 1958,
pp 251-259.

*PL 480
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Sci. Bull.
Apr 61

Studies on Forest Growth Conditions on Peat-Bog
Soils of the Forest Zone and the Tundra, by
N. I. Pyavchenko.

RUSSIAN, per, Trudy Inst Lesa, No 36, 186 pp.

*PL-480

Sci-Agr
April 64

Vasil'ev, V. N.
THE BAIKAL-SAYAN REGION AS ONE OF THE
MAIN RECENT CENTERS OF FORMATION OF THE
GENUS BETULA L. (Baikal-Sayanskaya Oblast' kak
Odin iz Glavneishikh Pozdnikh Tsentrov Formirovaniya
Roda Betula L.). 1961, 24p. 10 refs. PL-480 Agr.
Order from OTS \$0.50 60-51021

Trans. of Akademiya Nauk SSSR. Institut Less. Trudy,
1958, v. 37, p. 120-141.

DESCRIPTORS: *Trees, Growth, *Classification,
Genetics, Ecology, Asia.

This survey of birches occurring in the Baikal-Sayan
region shows that almost all the large genetic series
found in the Soviet Union, with the exception of the
group of Central Asiatic species (Series Turkestan-
icae) are represented within the region's boundaries.
(Author)
(Biological Sciences--Botany, TT, v. 7, no. 4)

60-51021

- I. Title: Birch
- I. Vasil'ev, V. N.
- II. PL-480 Agr (60-51021)
- III. National Science Foundation, Washington, D. C.

Office of Technical Services

Results of Observations on the Influence of
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of Snow Cover and on the Infiltration of Moisture Into
the Soil in Spring, by T. Ya. Kizlik, 15 pp.
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1958, pp 134-151.
OTS 64-11067
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Sci - Agri
Jan 65

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Transpiration of Trees and Grasses in the
Central Taiga Zone and its Relation to
Meteorological Conditions, by I. V. Guildova.
RUSSIAN, per, Akademiya Nauk SSSR, Trudy
Instituta Lesa, Vol 41, 1958, pp 111-121.
CRSTI TT 65-50051

Sci/Agri
Feb 66

294,704

61-31225

THE INCREASE OF PRODUCTIVITY OF SWAMPED
FORESTS (Povyshenie Produktivnosti Zabolochennykh
Lesov) tr. by A. Birron and Z. S. Cole. Symposium
papers from a conference held in Moscow, 9-12 Dec 57.
1968, 153p. 102 refs. PL-480 Agr.
Order from OTS \$1.50

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Trans. of Akademiya Nauk SSSR. Institut Lesa. (Trudy,
1969, v. 49, 1/4 p. 1/4 p.)

DESCRIPTORS: *Swamps, Trees, *Forestry, *Drain-
age, Decomposition, Growth, *Soils, Soil mechanics,
*Bacteria, Roads, Railroads, Hydrology, Effectiveness,
*Transportation, *Aerial photography, Mechanical
engineering, *Agriculture, *Mosses, Inhibition,
Economics

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Preface

(Agriculture, TT, v. 9, no. 9)

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1. Title: Estonia
2. Title: Larvia
- I. PL-480 Agr (61-31225)
- II. National Science
Foundation, Washington,
D. C.

Office of Technical Service.

Applying Biological Methods for Regulating Water
Conditions in Areas Undergoing Swamp Formation,
by A. A. Milchanov.

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Study of Timber Swelling, by Yu. Ivanov.
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No 51, 1962, pp 91-106.
CSIRO/No 6463

Sci Mat/Mat
Apr 64

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Meteorological Conditions, by I. V. Gulidova.

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*PL-480
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Comparative Anatomical Analysis of the Nature Wood
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L. A. Lebendenko.

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Vol. LI, 1962, pp 124-134.

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Jul 63

Elongation and Longitudinal Shrinkage of Timber
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CSIRO/No 6462

Sci-Mat/Mat
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ALPINE FORESTS OF SOUTHWEST CHINA, BY XXX A. V.
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SCI - AGRI
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Physiological Characteristics of Two Biotypes of
Young Spruce Trees, by I. V. Gulidova.

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Vol LIII, 1962, pp 87-98.

*PL-480

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Towards a Scientific Basis for Certain Silvicultural
Measures in the Northern Part of the Vologda
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Vol LIII, 1962, 254 pp.

*OTS 65-50122
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Mar 65

R-6042-D

12 Oct 65

Determination of Mean Effective Thermal Coefficients
of Wool.

By: B. S. Gudinov

From: TRUD. INST. LES. 65: 48-65, 1963 (8 pp)

Russian - est for wls:

Type an original copy only. Document can be cut for
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Fruiting of Pinus Sibirica in East Siberia,
by A. P. Shymonixuk.

RUSSIAN, per, Trudy Inst Lesa i Drevesiny,
Vol LXII, 1963, 190 pp.

*OTS 65-50123
SFCSI

Mar 65

Physiology of Woody Plants of Siberia, by
N. A. Kulebnikova and Others,
RUSSIAN, bk, Trudy Instituta Lesa i Drevesiny
Akademii Nauk SSSR, Sibirskoe Otdelenie, Vol
IX, Moscow 1963. 121 pp.
USSR Program for Scientific Translations

Sci-Biol & Med Sci
Oct 66

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Fruiting of the Siberian Stone Pine in East
Siberia, by A. P. Shimanyuk,
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CFSTI TT 65-50123

Sci-Agri
M.C. 66

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Problem of the Effectiveness of Forest Plantings in
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I. O. Baillin.

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CIA 9033745

USDA

Sci - Biology
Nov 58

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Plantation Density With Scots Pine, and Its
Biological and Forestry Importance, by ~~YxxNxxBx~~
Ovsjankin, Yu. N. Savic.

RUSSIAN, per, Trudy Inst Leshohoz. Problema
riga, No 11, 1956, pp 121-162.

*PL-480

OTS 65-50041

Sci
Sept. 64

Preservative Properties of Lignosulfonic
Acids, by A. Kalinin'son, N. Puroshchenko,

RUSSIAN, Trudy, Akad. Nauk SSSR, Inst. Lesokh. i
Khim. Drev., Vol. VI, no. 201-206, 1960.

CSIRO/No 6971

Sci-Chem
May 63

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Breeding Frost-Resistance Forms of Juglans
Regia, by F. L. Scapotjev,
RUSSIAN, Trudy Institut Lesnoe, No 8,
1951, pp 95-114.
*CIST TT 67-51305

Sci-Agri
Dec 61

Choice of Original Seed and Methods of Raising
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RUSSIAN, per, Trudy Instituta Les, No 8, 1951,
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*CPSTI TR 67-51318

Sci-Agr
Dec 66

Selection and Breeding of Tree Species in
Uzbekistan, by V. M. Kovskiy.
RUSSIAN, Trudy Instituta Lesnoe, No 8, 1951,
pp 152-153.
*CFSH TT 67-51304

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Dec 6K

Nitrogen and Mineral Cycles in Forests, by
N. P. Remezov and L. N. Bykova, et al.
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CISTI TT 66-51125

Sci-Beta
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Wood Swelling, by P. N. Odintsov, 11 pp.
RUSSIAN, per, Trudy Ak Nauk Latvinskoi SSR Inst Lesokhoz,
Vol XII, 1957, pp 43-56.

OTS 63-11024
PL-480

Sci - Biol & Med Sci
Mar 64

250,900

**Density of Pine Plantations and its Biologi-
cal and Silvicultural Significance,
by V. N. Ovsyankin, Yu. N. Savich.
RUSSIAN, per, Trudy Inst Lesokhoz Problem,
No 11, 1956, pp 121-162.
(PSTI TT 65-50041**

**Sci - Agri
Jan 66**

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61-20833

I. Odintsov, P. N.

Odintsov, P. N.
SWEELLING OF LIGNIN (Nabukhanie Lignina). [1951]
[34]p. (foreign text included) 14 refs.

Order from OTS or SLA \$3.60 61-20833

Trans. of Akad[emiya] Nauk Latv[viskoj] SSR [Riga].
Inst[itut] Lesokhoz[yaistvennykh] Problem. Trudy, 1959,
v. 17, p. 3-14.

DESCRIPTORS: *Lignin, *Wood, *Hydrolysis, Mechan-
ical properties, Water, Organic solvents, Solvent
action, Sulfuric acid, Carbohydrates, Chemical
reactions.

(Materials - wood, TT, v. 9, no. 2)

Office of Technical Services

Parametric Method of Integrating the
Laminar Boundary Layer Equations, by
I. G. Loitsyanskiy, 11 pp.
RUSSIAN, per, Trudy Inst Leningrad
Polytech, No 248, 1965, pp 45-55.
CIA/FDD X-5795

Sci - Phys

Feb 66

NOT OFFICIAL USE ONLY

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Pinsker, I. Sh.
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